

**819 HIGH PERFORMANCE BITUMINOUS COLD MIX PATCHING  
MATERIAL****819.01 DESCRIPTION.**

The material shall consist of plant mixed or bagged stockpile patching bituminous mixture composed of a blend of mineral aggregate coated with bituminous material. The material shall be capable of being stocked for at least six months without stripping and shall be workable at all times.

The material must be able to be used at all times regardless of weather conditions. It must be suitable for use under adverse weather conditions and sub-freezing ambient road temperatures, and must bond equally well to dry, damp, or wet surfaces.

The material may not be used if it has stripped (more than 10% uncoated particles) or otherwise become unfit for use.

**819.02 PERFORMANCE REQUIREMENTS.**

Material must be ready to use directly from stockpile. There will be no mixing or preparation of the material required. The product must be sufficiently workable for placing with shovels, rakes, or other hand tools.

**819.03 CURING TIME.**

After application of material, traffic can immediately be directed over the repaired area. There is no need to block off or plate over the patched area. The material must be pressure-sensitive and cure faster with greater volumes of traffic.

**819.04 RELIABILITY.**

When placed in a pothole or utility cut, the material shall maintain its integrity as long as, or longer than, the surrounding, existing paving.

**819.05 MATERIALS.**

Coarse aggregates shall be crushed limestone from an approved source, dust free, and shall meet the quality requirements of [803.04\(A\)](#), and the following grading requirements:

Sieve Designation	Percent Passing by Weight
1/4	100
No. 4	60-90
No. 8	5-30
No. 16	0-10
No. 50	0- 5
No. 200	1.5

Aggregates shall be delivered, handled and stored in a manner that prevents segregation, contamination and mixing of materials from other sources. If it is determined that the material source for previously approved material does not produce the required results, the material will be rejected.

The asphalt binder is to be added to the aggregate at a rate of approximately 5½% by weight of mix in an approved plant mixer. The liquid asphalt percentage shall not be lower than 5% or more than 6%; aggregates are to be thoroughly coated with asphalt binder.

The Contractor shall comply with the bituminous liquid manufacturer's application, handling, mixing and safety procedures.